11.05.2022 12:23 Assess Your Knowledge | Coursera

Congratulations! You passed! Go to next item Grade received 100% To pass 80% or higher **Assess Your Knowledge Latest Submission Grade 100%** 1. Which of the tables in the employees database contains data of **both** the employees and the department of the employee? 1/1 point employees O dept_manager dept_emp Odepartments **⊘** Correct Correct! The dept_emp table contains data about the employees and the employee's departments. It has 4 columns and 13042 rows. 2. Which of the following can a subquery return? (Select all that apply) 1/1 point An entire table **⊘** Correct Correct! A subquery may return a single value (a scalar), a single row, a single column, or an entire table A single column Correct! A subquery may return a single value (a scalar), a single row, a single column, or an entire table A single value **⊘** Correct Correct! A subquery may return a single value (a scalar), a single row, a single column, or an entire table A single row **⊘** Correct Correct! A subquery may return a single value (a scalar), a single row, a single column, or an entire table 3. The BETWEEN operator cannot be used with a subquery 1/1 point O False O Maybe True Correct! The BETWEEN operator cannot be used with a subquery. However, the BETWEEN operator can be used within the subquery. 4. Write a query to retrieve only the customer_id and the name of the customer that has purchased the most from the store (that is, for customers where the sales column is the highest) 1 / 1 point 1 SELECT c.customer_id, c.customer_name FROM customers c, (SELECT customer_id, COUNT(*) AS cust_count FROM sales GROUP BY customer_id ORDER BY cust_count DESC) AS a WHERE c.customer_id = a.customer_id ORDER BY a.cust_count DESC; SELECT c.customer_id, c.customer_name FROM customers c, (SELECT customer_id, COUNT(*) AS cust_count FROM sales GROUP BY customer_id ORDER BY cust_count DESC LIMIT 1) AS a WHERE c.customer_id = a.customer_id ORDER BY a.cust_count DESC; 1 SELECT c.customer_id, c.customer_name, a.cust_count FROM customers c, (SELECT customer_id, COUNT(*) AS cust_count FROM sales GROUP BY customer_id ORDER BY cust_count DESC LIMIT 1) AS a WHERE c.customer_id = a.customer_id ORDER BY a.cust_count DESC; **⊘** Correct Correct! The above retrieves only the customer_id and the name of the customer that has purchased the most from the store (that is, for customers where the sales column is the highest). The LIMIT 1 inside the subquery helps to achieve this purpose. 5. It is more professional to apply the ORDER BY clause in the outer query. 1 / 1 point ○ False True O Not sure **⊘** Correct Correct! It is more professional to apply ORDER BY in the outer query 6. As an SQL user, how would you retrieve a list of all managers who became managers after the 1st of January, 1985 and are not in the Finance or HR department? (Select all that apply) 1/1 point Here is a snippet of the departments table: dept_no dept_name character varying (40) Marketing 2 d002 Finance 3 d003 Human Resources 4 d004 Production 5 d005 Development Quality Management 7 d007 9 d009 Here is a snippet of the department managers (dept_manager) table: 110039 d001 1991-10-01 9999-01-01 110085 d002 1985-01-01 1989-12-17 1989-12-17 9999-01-01 110114 d002 110183 d003 1985-01-01 1992-03-21 110228 d003 1992-03-21 9999-01-01 1992-08-02 1996-08-30 110386 d004 1996-08-30 9999-01-01 110420 d004 1985-01-01 1992-04-25 110511 d005 1 SELECT * FROM dept_manager WHERE from_date > '1985-01-01' AND dept_no NOT IN (SELECT dept_no FROM departments WHERE dept_name NOT IN ('Finance','Human Resources'));

| 022 12: | Assess Your Knowledge Coursera | | |
|---|--|---|-----------|
| ✓ | <pre>1 SELECT * FROM dept_manager 2 WHERE from_date > '1985-01-01' 3 AND dept_no NOT IN (SELECT dept_no FROM departments 4</pre> | | |
| (| Correct Correct! This query will correctly retrieve a list of all managers who became managers after the 1st of January, 1985 and are not in the Finance or HR departments. | | |
| ✓ | <pre>1 SELECT * FROM dept_manager 2 WHERE from_date > '1985-01-01' 3 AND dept_no NOT IN (SELECT dept_no FROM departments 4</pre> | | |
| (| Correct Correct! This query will correctly retrieve a list of all managers who became managers after the 1st of January, 1985 and are not in the Finance or HR departments. | | |
| | <pre>1 SELECT * FROM dept_manager 2 WHERE from_date > '1985-01-01' 3 AND dept_no NOT IN (SELECT dept_no FROM departments 4 WHERE dept_name = 'Finance' OR dept_name = 'HR');</pre> | | |
| 7. WI | nen you write a join statement to join tables in SQL, it is important to <i>(Select all that apply)</i> | | 1/1 point |
| ~ | join on the related or common column | | |
| (| Correct! When you write a join statement to join two or more tables in SQL, it is very important to join on | n their common column. <i>To learn more about SQL joins, check out <u>Mastering SQL Joins</u></i> | |
| ~ | join on the related or common field | | |
| (| Correct! When you write a join statement to join two or more tables in SQL, it is very important to join on | n their common column. <i>To learn more about SQL joins, check out <u>Mastering SQL Joins</u></i> | |
| | join on the related or common record/row | | |
| | join on the related entity | | |
| | | | |
| 8. Gi | yen the SQL code below: 9 ORDER BY emp_no; | | 1/1 point |
| | | | |
| How would you return only ten (10) results in the result set? | | | |
| C | O UPTO 10 | | |
| |) MAX 10 | | |
| | LIMIT 10 | | |
| | ○ ONLY 10 ② Correct Correct! The SQL LIMIT statement is used to retrieve records from one or more tables in a database and limit the number of records returned based on a limit value. | | |
| | question 8 above, where will you add the LIMIT clause to the query? | | 1/1 point |
| | After the FROM clause before the JOIN keyword After the ORDER BY clause | | |
| | Before the ON keyword | | |
| С | Before the ORDER BY clause | | |
| (| Correct Correct! The LIMIT clause is usually the last keyword in an SQL query. In this case, it will come after the C | ORDER BY clause. | |
| 10. Th | e operator tests for set membership, where the set is a collection of values produced by a SELECT cla | ause. The operator tests for the absence of set membership | 1/1 point |
| | IN, OR | | |
| | OR, IN | | |
| | IN, NOT IN NOT IN, IN | | |
| | Correct | | |
| (| Correct! The IN operator tests for set membership, where the set is a collection of values produced by a S | SELECT clause. The NOT IN operator tests for the absence of set membership | |
| | | | |